

HPTV2404(CB): CCTV Power Supply and Distribution Units

1 Overview

The **HPTV2404** and **HPTV2404CB** are CCTV power supply and distribution units. They provide a constant source of 24 VAC with 4 A supply current. Four individual outputs route power to operate CCTV Cameras and other video accessories. For overload protection the HPTV2404 uses automotive style fuses and the HPTV2404CB has auto-resettable PTCs.

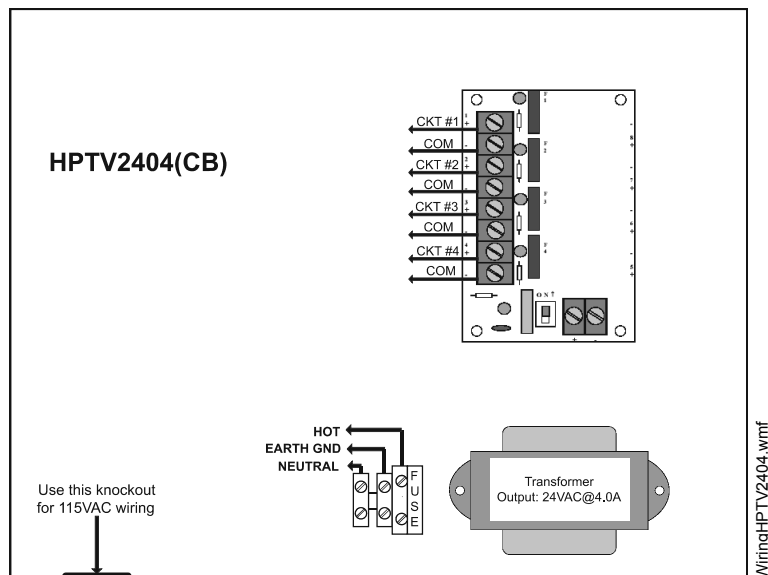
2 Specifications

- Input 115 VAC, 60 HZ, 1 A.
- 4 A, 24 VAC (100 VA) supply current.
- Four outputs
Note: Individual Output Circuits can be loaded to 3.0 A on HPTV2404 or 2.0 A on HPTV2404CB provided the total current from all output combined is limited to 4.0 A.
- Surge and transient protection.
- Transformer has built in thermal protection.
- LED Indicator Lights:
 - Input Power LED (Green) – ON indicates that 24 VAC is present at distribution board
 - Output Power LEDs (4 Green) – ON indicates that 24 VAC is present at the related output circuit.
- Overload Protection (HPTV2404):
 - Terminal Block Fuse: 3 A, 250 V, 5x20MM Cartridge
 - Main Secondary Fuse: 5 A, 32 V, Automotive Style
 - Individual Output Circuit Fuses: 3 A, 32 V, Automotive Style
- Overload Protection (HPTV2404CB):
 - Terminal Block Fuse: 3A, 250V, 5x20MM Cartridge
 - Individual Output Circuit PTC: Hold Current (2.0 A at 50°C)
 - SPECIAL NOTE: To reset a PTC that has experienced an overload or short circuit, disconnect power for 5 minutes to allow the PTC to reset itself.
- Power ON/OFF switch.
- AC line cord included.
- Unit maintains camera synchronization.
- Vented enclosure with hinged door and five convenient knockouts.
- Design for quick installation.
- Maximum temperature range 32°F to 120°F (0°F to 49°C); indoor use only.
- Cabinet dimensions 11.5" W x 4.875" D x 10" H (29.21 cm W x 12.38 cm D x 25.4 cm H)

3 Installation Instructions

1. Unpack product and discard all packing materials.
2. Pre-drill holes where enclosure is to be mounted.

3. Secure enclosure to the desired location (indoor installation only).
4. Disconnect power to the branch circuit to which the product will be connected.
5. Place SW1 switch in the OFF position.
6. Connect incoming AC power (115 V, 60 Hz):
 - Hot (black) to terminal marked “L”.
 - Neutral (White) to terminal marked “N”.
 - Ground to terminal marked “G”.
7. Use the knockout in bottom of cabinet for 115 VAC wiring. Route the 115 VAC wiring at least 3/8" (0.953 cm) from 24 VAC (low voltage) wiring.
8. Keep a 1/4" (0.635 cm) separation between power limited wiring (output circuits on HPTV2404CB) and non-power limited wiring. Use separate knockouts for power limited wiring.
9. Connect CCTV cameras (or other external loads) to appropriate terminals: Connect circuit #1 to terminals marked “1+” and “-”. Connect circuit #2 to terminals marked “2+” and “-”. Continue to connect the remaining circuits carefully observing polarity. Terminals marked with “-” are of the same polarity.
10. Power the branch circuit and slide SW1 to the ON position. All five green LEDs should illuminate.
11. Upon completion of wiring, secure cabinet door with screws supplied, to prevent access by unauthorized personnel.



WARNING:

- To reduce risk of electric shock, do not expose unit to rain or excessive moisture, and disconnect power before servicing unit.
- For continuous protection against hazard, replace fuses only with exact type and rating.
- A readily accessible switched circuit breaker must be available to disconnect mains power as required.
 - All 120 V wiring should be routed so that it cannot touch 24 V wiring; minimum spacing 3/8" (0.953 cm).
 - Installation & servicing should only be made by qualified personnel; contains no user-serviceable parts.
 - Install in accordance with all local regulations and the National Electrical Code.



NOTE: For additional information

- Visit our website: <http://www.honeywellpower.com>
- Contact Technical Support: (800) 627-3473
- Email us: hpp_techserv@fla-whq.com